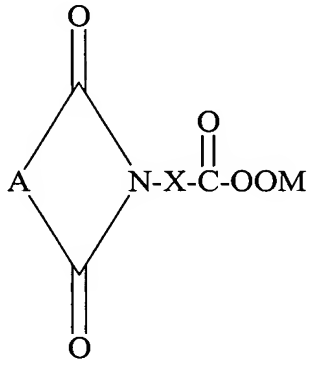
IN THE CLAIMS

Please amend the claims as follows:

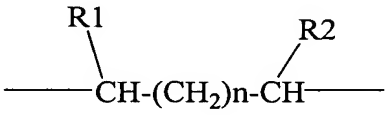
Claim 1 (Currently Amended): Liquid formulations of imidoalkanepercarboxylic acids in the form of aqueous dispersions comprising, in percentages by weight relative to the total weight of the composition:

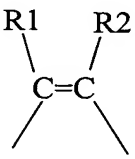
A) from [[≥]] 7% to 40% ~~and preferably from 10% to 20%~~ of imidoalkanepercarboxylic acids having the general formula (I)



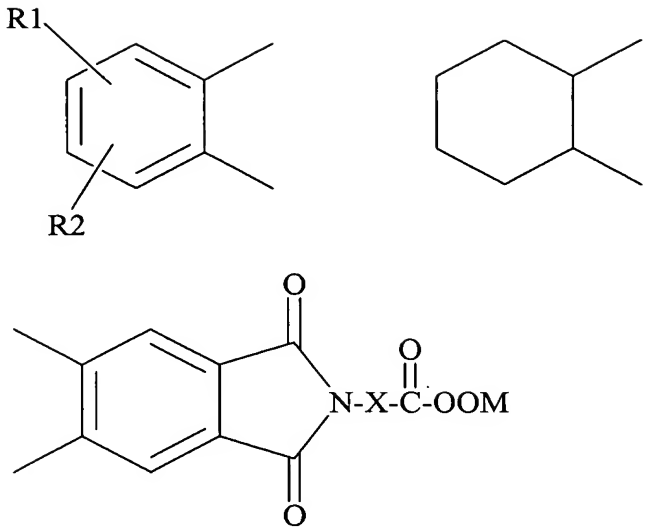
(I)

in which A ~~indicates a~~ is selected from the group consisting essentially of ~~chosen from the following~~





((or))



in which:

n is an integer 0, 1 or 2,

R1 ~~has one of the following meanings:~~ is hydrogen, chlorine, bromine, C_1-C_{20} alkyl, C_2-C_{20} alkenyl, aryl or alkylaryl,

R2 is hydrogen, chlorine, bromine or [[a]] selected from the group ~~chosen from the following:~~ consisting essentially of -SO_3M, -CO_2M, -CO_3M ~~or~~ and-OSO_3M,

M ~~means~~ is hydrogen, an alkali metal, ammonium or an equivalent of an alkaline-earth metal,

X ~~indicates~~ is a C_1-C_{19} alkylene or an arylene;

the said acids being in the β-crystal form;

B) from 0.001% to 0.9%~~, preferably from 0.005% to 0.3% and even more preferably from 0.01% to 0.1%~~ of a ~~surfactant chosen from~~ nonionic ~~surfactants~~ surfactant;

the difference to 100% ~~consisting of~~ comprising water and of other ~~optional~~ additives for detergent formulations;

the said dispersions having a viscosity of not more than 2000 mPa.sec at 25°C by applying a shear rate of 20 s^{-1};

in which the dissolution time of the component A), determined ~~via the test of~~ by testing the rate of dissolution at a temperature of 40°C or 18°C, is not more than 5 minutes when determined at 40°C or 15 minutes when determined at 18°C, for an amount of dissolved acid equal to 99% of the theoretical amount~~, as defined in the rate of dissolution test~~;

the said dispersions in the test of stability at 40°C for seven days ~~show~~ having variations in viscosity of not more than 300 mPa.sec~~, preferably less than 150 mPa.sec and even more preferably less than 100 mPa.sec, the viscosity being determined under the conditions indicated above~~.

Claim 2 (Currently Amended): The formulation according to Claim 1 ~~being obtainable~~ prepared by grinding ~~the~~ crystals of imidoalkanepercarboxylic acids in α form dispersed in an excess of water, in the presence of a ~~surfactant chosen from~~ nonionic ~~surfactants~~ surfactant; and cooling the liquid dispersion to a temperature below 30°C.

Claim 3 (Currently Amended): The formulation according to Claim 1, ~~in which,~~ wherein in the test of stability at 40°C for seven days, the imidoalkanepercarboxylic acids, component A), show a loss of peroxide oxygen content of not more than 2% ~~and preferably not more than 1 %~~ relative to the initial titre.

Claim 4 (Currently Amended): The formulation according to Claim 1, ~~in which~~ wherein the imidoalkanepercarboxylic acids, component A), ~~are in the α-crystal form, which is~~ form stable ~~on storage in~~ solid α-crystals ~~form~~, and ~~in that, when dispersed in water, it converts~~ are converted into stable crystals of the β-crystal form, ~~which is stable~~ in aqueous medium, the ~~said~~ crystals of β-crystal form having average dimensions of less than 30

microns, ~~preferably less than 10 microns, more preferably less than 8 microns and particularly less than or equal to 2 microns;~~ wherein the α-crystal form ~~being characterized~~, relative to the β-crystal form~~, in that the related spectra obtained via the techniques of x-ray diffraction and surface infrared spectroscopy (IR/S) show, relative to those of the β form of the same peracid,~~ has a different x-ray spectral image and a shift of the ~~typical~~ absorption in the region 1697-1707 cm^{-1} in ~~IR/S~~ surface infrared spectroscopy towards higher frequencies, of the order of ~~about~~ 8-10 cm^{-1}.

Claim 5 (Currently Amended): The formulation according to Claim 1, ~~in which~~ wherein the nonionic surfactant is selected from the group consisting essentially of ~~chosen from~~ ethoxylated, polyethoxylated, propoxylated or polypropoxylated nonionic surfactants or surfactants containing one or more propoxy repeating units and one or more ethoxy units.

Claim 6 (Currently Amended): The formulation according to Claim 5, ~~in which~~ wherein the polyethoxylated or polypropoxylated nonionic surfactants have a number of ethoxy or propoxy repeating groups of less than or equal to 15 ~~and preferably less than or equal to 5~~; the nonionic surfactants containing propoxy and ethoxy units have a number of ethoxy groups of not more than 10 and a number of propoxy units of not more than 2.

Claim 7 (Currently Amended): The formulation according to Claim 6, ~~in which~~ wherein the surfactants are ethoxylated surfactants.

Claim 8 (Currently Amended): The formulation according to Claim 1, comprising additives ~~or ingredients that are conventional~~ for detergent and disinfecting formulations,

dissolved in aqueous solution and/or dispersed in the suspension together with the imidoalkanepercarboxylic acids, component A).

Claim 9 (Currently Amended): The formulation according to Claim 8, ~~in which~~ wherein the ~~said~~ additives are ~~chosen from~~ selected from the group consisting of ~~those that contribute towards further increasing the chemical and physical stability of the formulation, preferably~~ paraffins, phosphonic acids, ~~optionally~~ hydroxylated carboxylic acids, ~~and~~ dicarboxylic acids, ~~etc., or are~~ co-adjuvants, ~~and/or agents for optimizing the pH of the washing bath, preferably~~ phthalic acids, ~~and~~ adipic acid, and mixtures thereof.

Claim 10 (Currently Amended): A process for obtaining the formulation of Claim 1, comprising:

- grinding at a temperature of from 40°C to 65°C crystals of imidoalkanepercarboxylic acids ~~PAP~~ in α form dispersed in an excess of water, the said excess ~~preferably~~ being at least 2 parts by weight of water/1 part by weight of percarboxylic acid, in the presence of a ~~surfactant chosen from~~ nonionic ~~surfactants~~ surfactant;
- cooling the liquid dispersion to a temperature below 30°C~~, preferably below 25°C,~~ and optionally ~~with the addition of~~ adding viscosifying additives.

Claim 11 (Currently Amended): The process according to Claim 10, ~~in which~~ wherein the cooling occurs at a temperature ~~to which the liquid dispersion is cooled is~~ not less than 4°C.

Claim 12 (Currently Amended): A method of ~~use of~~ using the formulation of Claim 1 in bleaching and disinfecting applications.

Claim 13 (Currently Amended): The formulation according to Claim 1, ~~in which~~ wherein the imidoalkaneperoxycarboxylic acid is ∈-phthalimidoperoxyhexanoic acid.

Claim 14 (Currently Amended): The method of ~~use according to~~ Claim 12, ~~in which~~ wherein the component A) of the formulation is ∈-phthalimidoperoxyhexanoic acid.